



# Minneapolis Climate Action Plan Overview

March 17, 2021

**Kim Havey, Director of Sustainability**



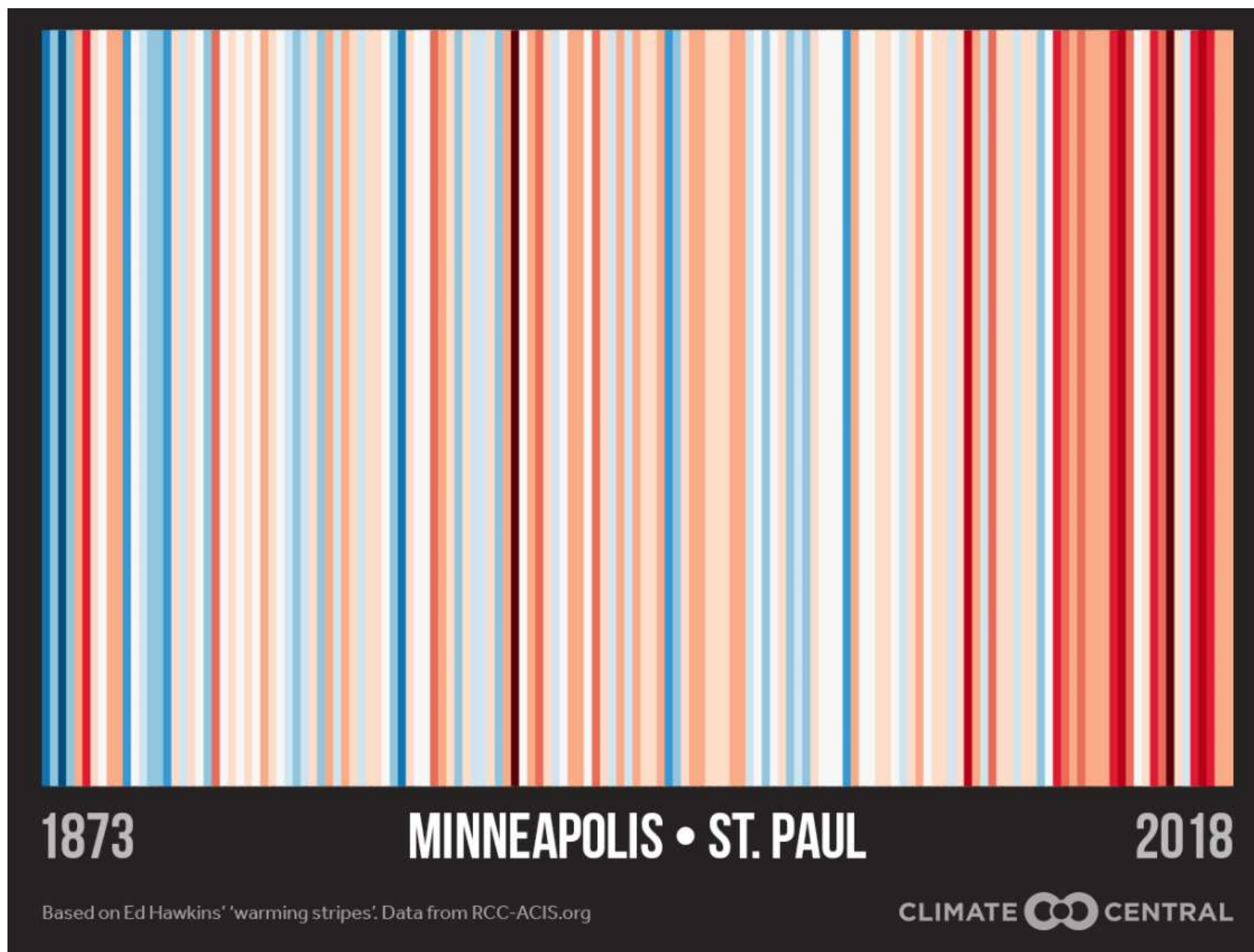


Source: NASA



Source: NASA

# MSP Climate Stripes 1873-2018



# Update to the Climate Action Plan

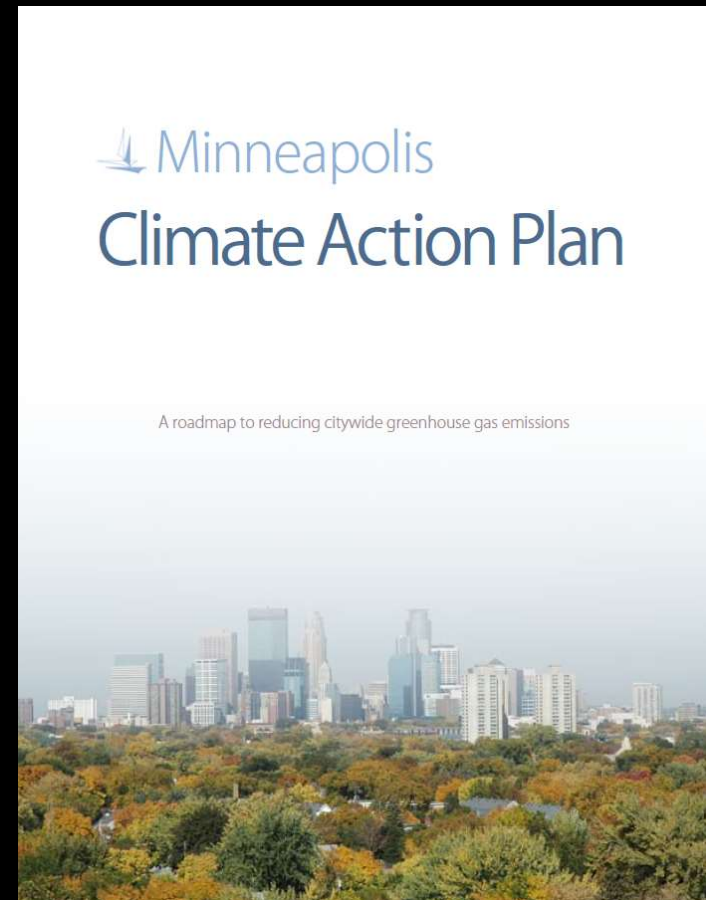
**Committed to reducing community-wide greenhouse gas emissions**

**15 percent by 2015,**

**30 percent by 2025, and**

**80 percent by 2050**

**using 2006 as a baseline.**

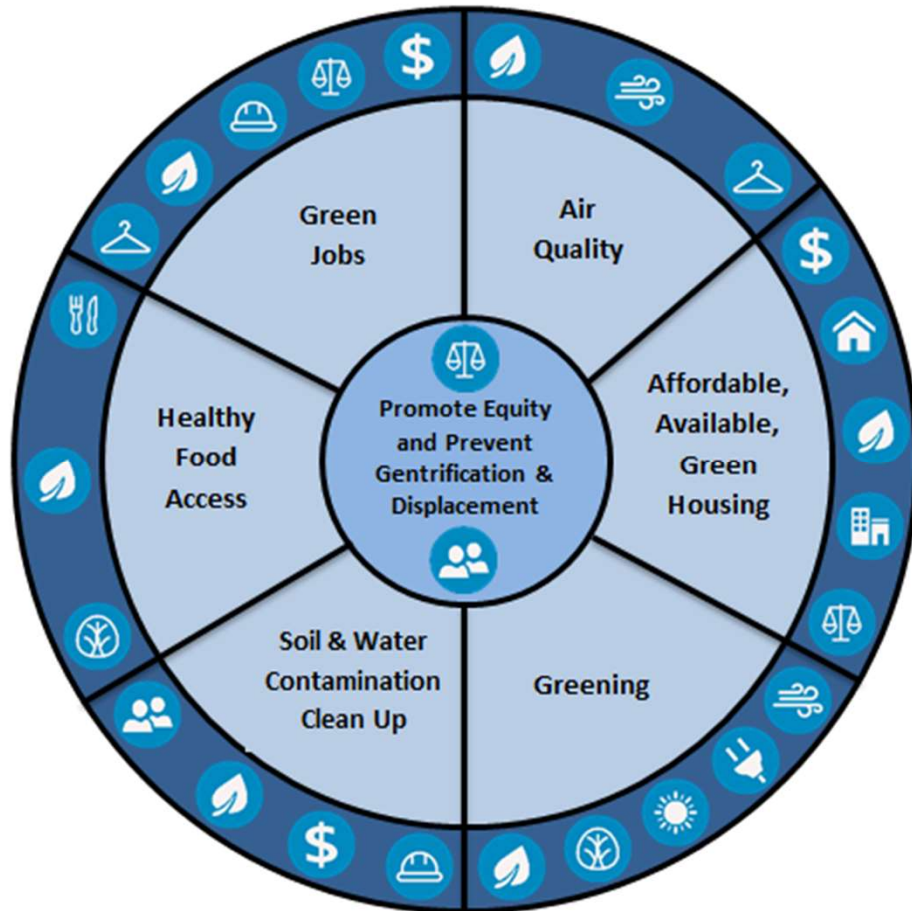


# City of Minneapolis Climate Action Plan

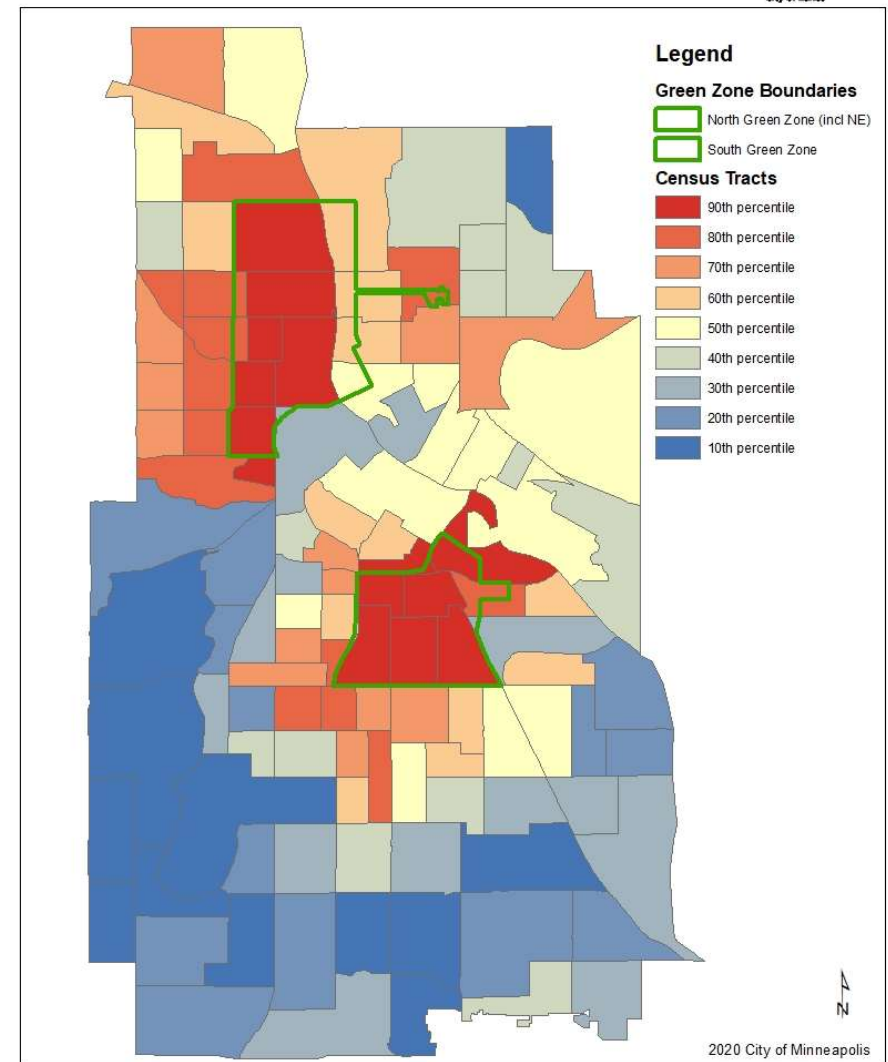




# Minneapolis Green Zones



Minneapolis Green Zone Boundaries



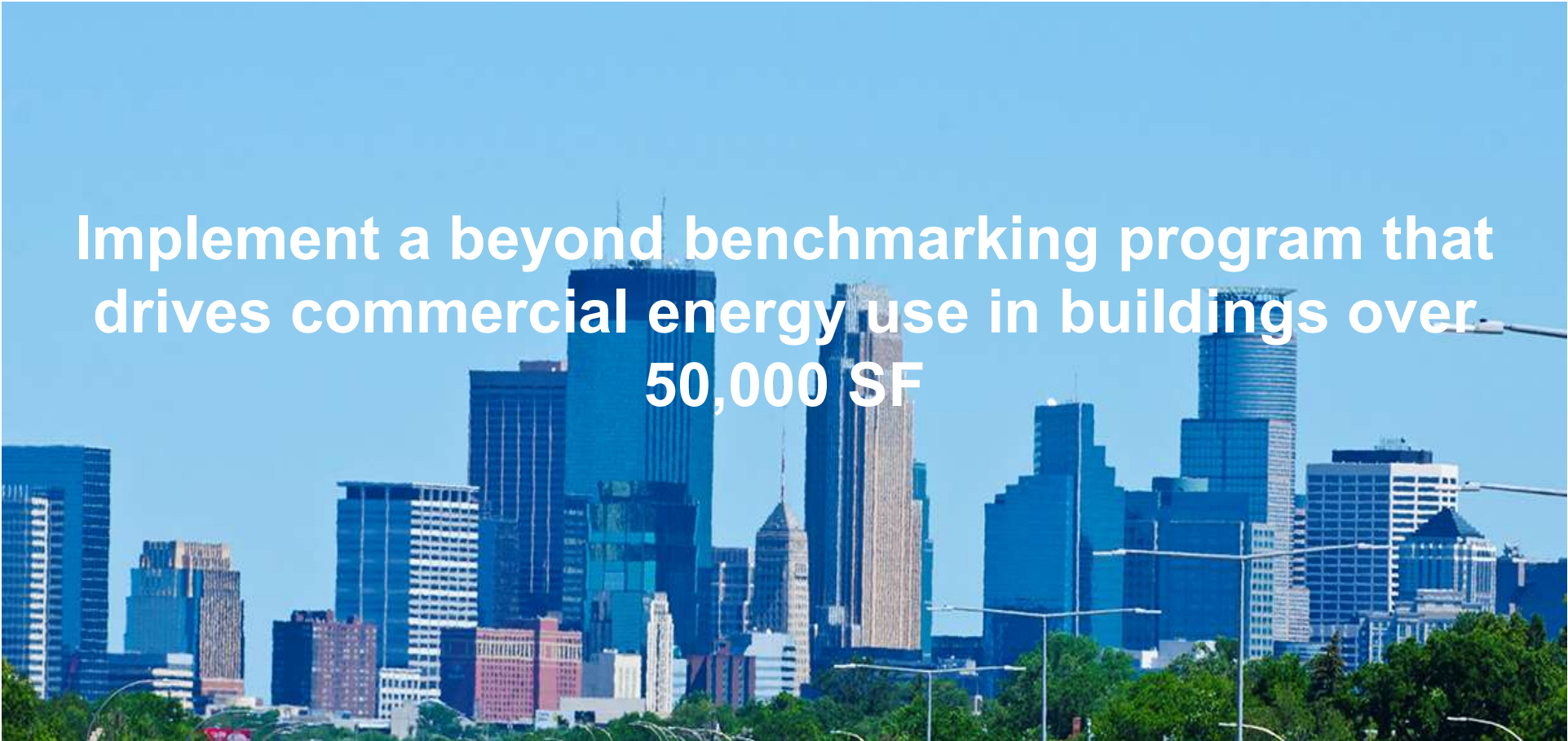
A photograph of the Minneapolis skyline, featuring several prominent skyscrapers like the Wells Fargo Center and the US Bank Tower, set against a clear blue sky. The foreground shows some greenery and streetlights.

Since 2006, Minneapolis' emissions have declined  
19% while GDP has increased 30%.

2020 ACEEE Ranked 4<sup>th</sup> Most Energy Efficient City  
in North America

Photo © Education Images/Universal Images Group via Getty  
Images

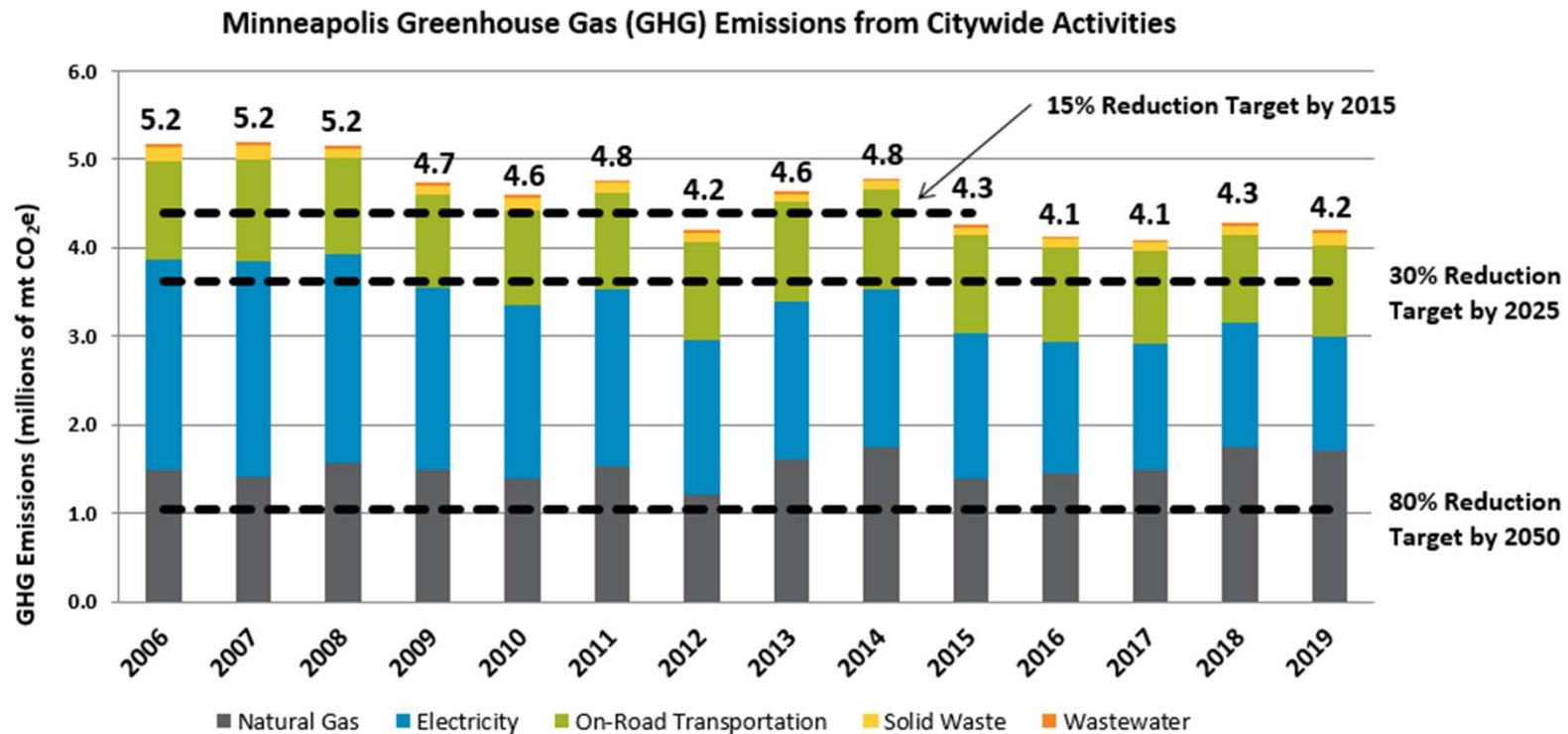


A photograph of the Chicago skyline, featuring several prominent skyscrapers like the Willis Tower and the Trump Tower, set against a clear blue sky. The foreground shows some greenery and streetlights.

**Implement a beyond benchmarking program that  
drives commercial energy use in buildings over  
50,000 SF**

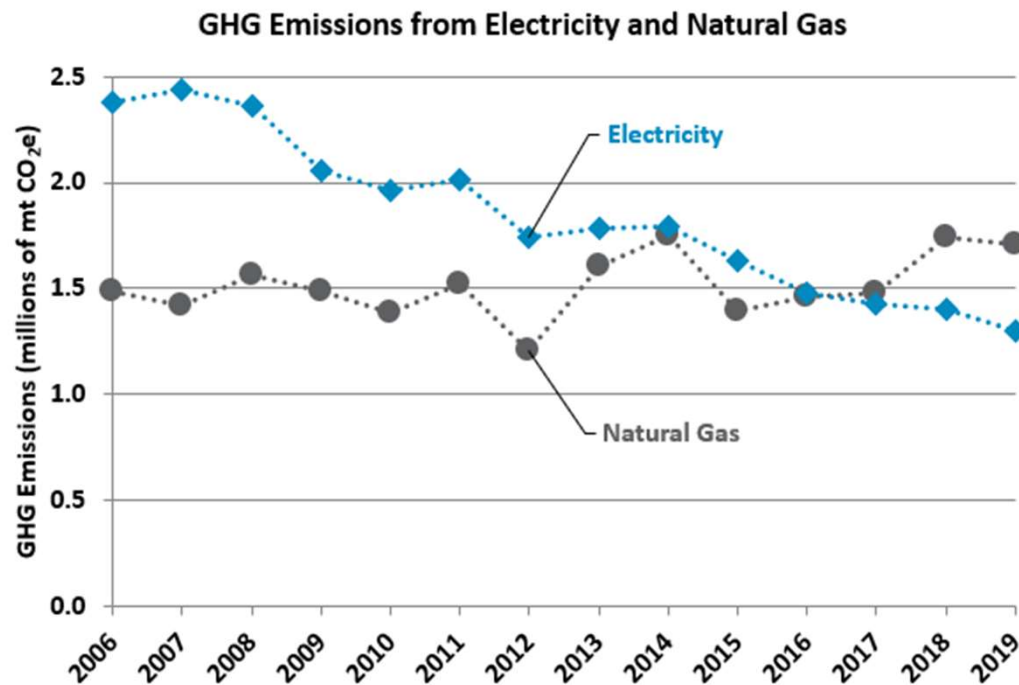
**Photo © Education Images/Universal Images Group via Getty  
Images**

# GHG Emissions since 2006



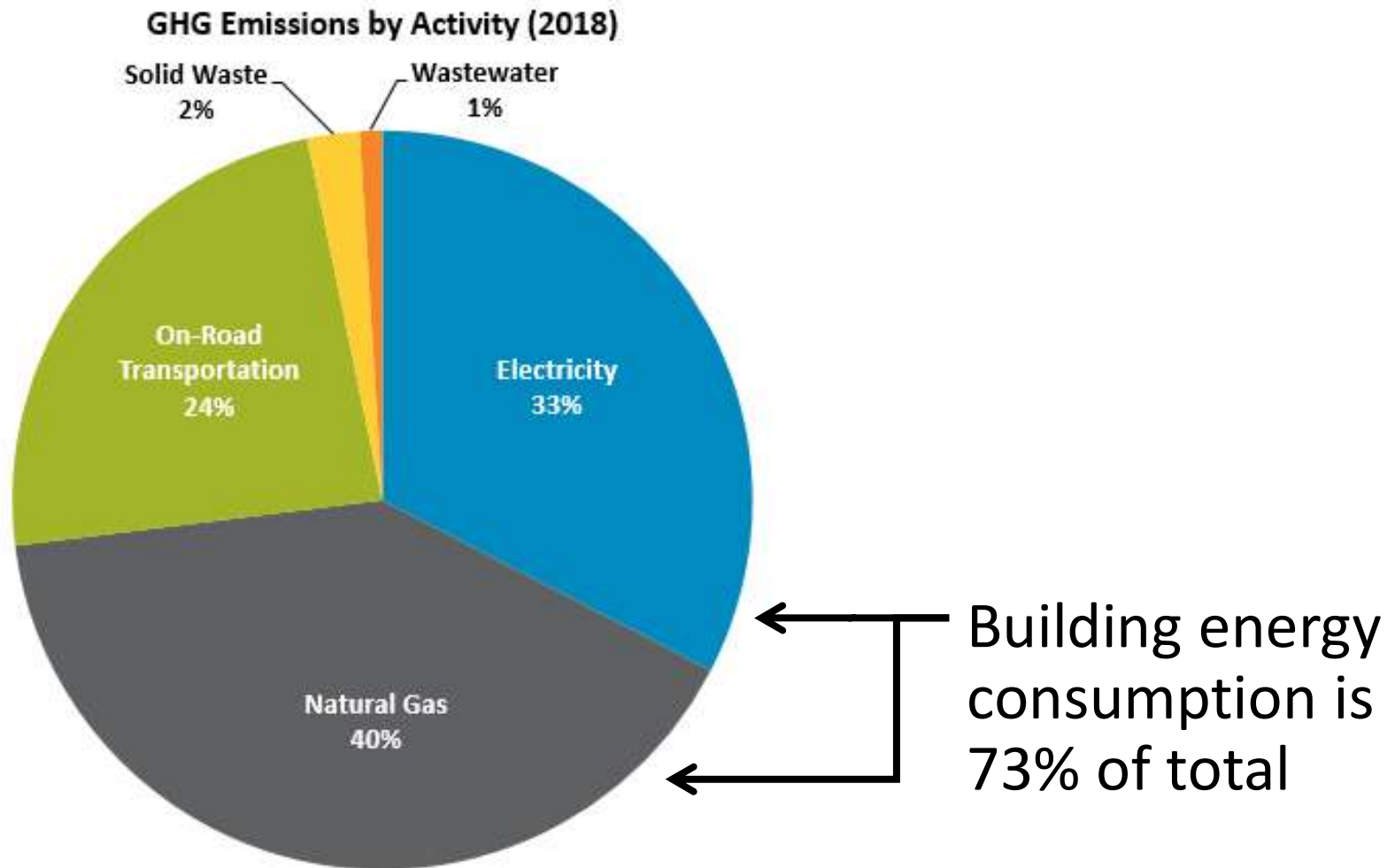
- GHG emissions decreased 19% in 2019 compared to the 2006 baseline

# Natural gas emissions have been greater than electricity

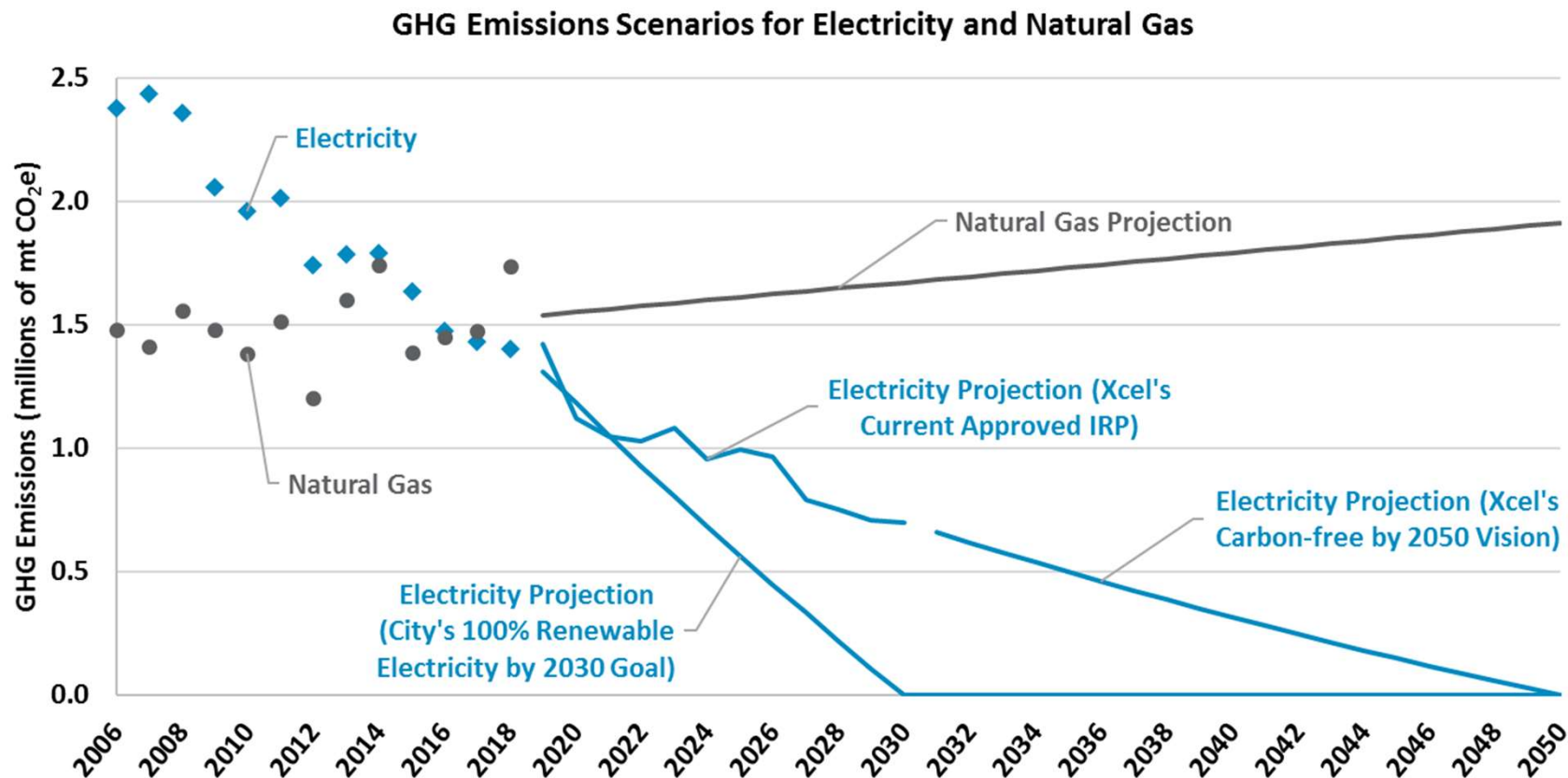


- Electricity emissions continue downward, fossil gas emissions continue upward trend

# Buildings continue to drive emissions



# Where are emissions going?



- Tailwinds for electricity, headwinds for natural gas
- Highlights strategic importance on natural gas focus



A photograph of the Minneapolis skyline at dusk. The city's lights are on, and the sky is a mix of purple and orange. In the foreground, a large stone bridge with multiple arches spans a body of water. The city buildings are reflected in the water. A semi-transparent dark box is overlaid on the right side of the image, containing white text.

**Minneapolis has committed to  
100% renewable electricity for  
municipal facilities and operations  
by 2022 and citywide by 2030 with a  
goal of 10% local solar generation**

Photo © Rudy Balasko via Shutterstock

## Metrics Scorecard



### Greenhouse Gas Emissions (Community-wide)

GHG reduction goal of 30% by 2025 and 80% by 2050:  
19% reduction since 2006; not on track for 2025 and 2050 goals, but achieved 2015 goal



Score: RED



### Greenhouse Gas Emissions (Municipal Operations)

GHG reduction goal of 1.5% annually:

58% reduction since 2008 and on track



Score: GREEN



### Energy Use (Residential)

15% energy consumption reduction by 2025:

3% increase compared to growth baseline; unknown if on track due to annual variations



Score: YELLOW



### Energy Use (Commercial and Industrial)

20% energy consumption reduction by 2025:

3% increase compared to growth baseline; not on track



Score: RED



### Renewable Electricity (Community-wide)

100% of renewable electricity use by 2030:

24% in 2019 and not on track



Score: RED



### Renewable Electricity (Municipal Operations)

100% of renewable electricity use by 2022:

88% in 2019 and on track



Score: GREEN



### Renewable Electricity (Local and Directly Purchased)

10% of renewable electricity use by 2025:

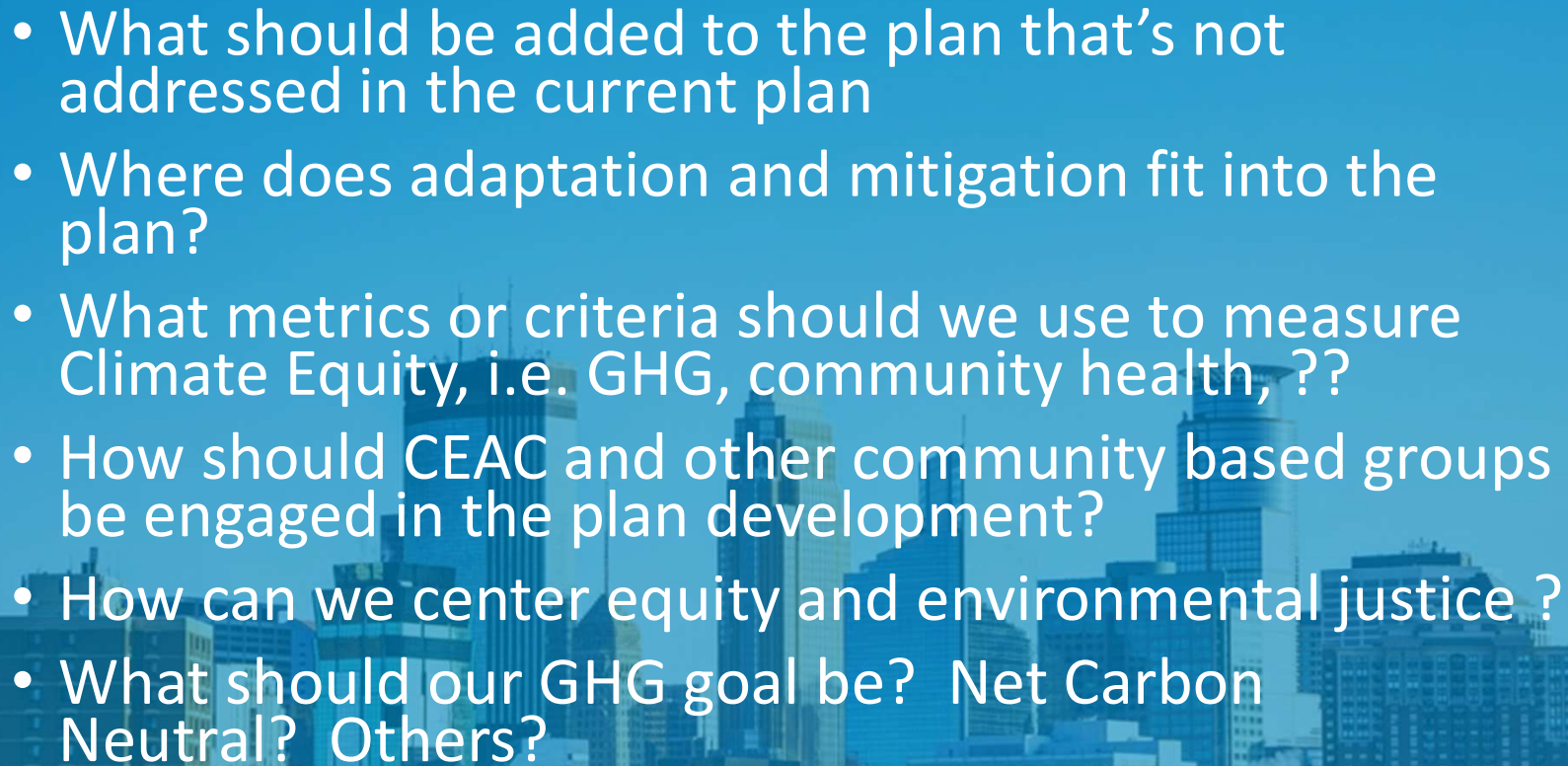
5.7% in 2019 and unknown if on track



Score: YELLOW

*Note: metrics categorized as "yellow" lack enough data to determine outcomes at this time.*



- 
- What should be added to the plan that's not addressed in the current plan
  - Where does adaptation and mitigation fit into the plan?
  - What metrics or criteria should we use to measure Climate Equity, i.e. GHG, community health, ??
  - How should CEAC and other community based groups be engaged in the plan development?
  - How can we center equity and environmental justice ?
  - What should our GHG goal be? Net Carbon Neutral? Others?

**Thank you!**